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FILE 'HOME' ENTERED AT 11:57:09 ON 18 AUG 2004

```
=> file reg\  
'REG\' IS NOT A VALID FILE NAME  
SESSION CONTINUES IN FILE 'HOME'  
Enter "HELP FILE NAMES" at an arrow prompt (=>) for a list of files  
that are available. If you have requested multiple files, you can  
specify a corrected file name or you can enter "IGNORE" to continue  
accessing the remaining file names entered.
```

FILE 'REGISTRY' ENTERED AT 11:57:45 ON 18 AUG 2004
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STRUCTURE FILE UPDATES: 17 AUG 2004 HIGHEST RN 727974-89-2
DICTIONARY FILE UPDATES: 17 AUG 2004 HIGHEST RN 727974-89-2

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

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<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> e triphosgene/cn

E1	1	TRIPHOS (FEED SUPPLEMENT) /CN
E2	1	TRIPHOS-I/CN
E3	1	--> TRIPHOSGENE/CN
E4	1	TRIPHOSGENE-PHENYLPHOSPHONIC DICHLORIDE-1,1-BIS (4-HYDROXYPHE NYL) CYCLOHEXANE COPOLYMER/CN
E5	1	TRIPHOSPHABORETANE/CN
E6	1	TRIPHOSPHADEN/CN
E7	1	TRIPHOSPHAGERMETANE/CN
E8	1	TRIPHOSPHAGERMETANE, 1,2,3-TRIS (1,1-DIMETHYLETHYL)-4,4-DIETH YL-/CN
E9	1	TRIPHOSPHAGERMETANE, 1,2,3-TRIS (1,1-DIMETHYLETHYL)-4,4-DIPHE NYL-/CN
E10	1	TRIPHOSPHAGERMETANE, 1,2,3-TRIS (1,1-DIMETHYLETHYL)-4,4-DIPHE NYL-, (1A,2B,3A)-/CN
E11	1	TRIPHOSPHAGERMETANE, 4,4-DICHLORO-1,2,3-TRIS (1,1-DIMETHYLETH YL)-/CN
E12	1	TRIPHOSPHAMIDE/CN

=> e3
L1 1 TRIPHOSGENE/CN

FILE 'CAPLUS' ENTERED AT 11:58:08 ON 18 AUG 2004
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FILE COVERS 1907 - 18 Aug 2004 VOL 141 ISS 8
FILE LAST UPDATED: 17 Aug 2004 (20040817/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> 11
L2 854 L1

=> chloroformate
18822 CHLOROFORMATE
1670 CHLOROFORMATES
L3 19404 CHLOROFORMATE
(CHLOROFORMATE OR CHLOROFORMATES)

=> 12 and 13
L4 141 L2 AND L3

=> file caplus
COST IN U.S. DOLLARS SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 3.29 8.35

FILE 'CAPLUS' ENTERED AT 12:00:06 ON 18 AUG 2004
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FILE LAST UPDATED: 17 Aug 2004 (20040817/ED)

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=> file reg
COST IN U.S. DOLLARS
FULL ESTIMATED COST

SINCE FILE TOTAL
ENTRY SESSION
0.46 8.81

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STRUCTURE FILE UPDATES: 17 AUG 2004 HIGHEST RN 727974-89-2
DICTIONARY FILE UPDATES: 17 AUG 2004 HIGHEST RN 727974-89-2

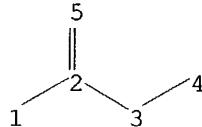
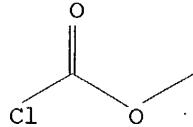
TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

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Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
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<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>
Uploading C:\Examination Auxillary files\10665410\10665410 chloroformate core.str

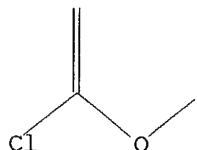


chain nodes :
1 2 3 4 5
chain bonds :
1-2 2-3 2-5 3-4
exact/norm bonds :
2-3 2-5 3-4
exact bonds :
1-2

Match level :
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS

L5 STRUCTURE UPLOADED

=> d 15
L5 HAS NO ANSWERS
L5 STR



Structure attributes must be viewed using STN Express query preparation.

=> search 15 sss ful
FULL SEARCH INITIATED 12:00:39 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 5459 TO ITERATE

100.0% PROCESSED 5459 ITERATIONS 2680 ANSWERS
SEARCH TIME: 00.00.01

L6 2680 SEA SSS FUL L5

=> file caplus
COST IN U.S. DOLLARS SINCE FILE TOTAL
' FULL ESTIMATED COST ENTRY SESSION
155.42 164.23

FILE 'CAPLUS' ENTERED AT 12:00:46 ON 18 AUG 2004
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FILE COVERS 1907 - 18 Aug 2004 VOL 141 ISS 8
FILE LAST UPDATED: 17 Aug 2004 (20040817/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> 16/prep
18704 L6
3184864 PREP/RL
L7 1571 L6/PREP
(L6 (L) PREP/RL)

=> d his

(FILE 'HOME' ENTERED AT 11:57:09 ON 18 AUG 2004)

FILE 'REGISTRY' ENTERED AT 11:57:45 ON 18 AUG 2004
E TRIPHOSGENE/CN

L1 1 E3

FILE 'CAPLUS' ENTERED AT 11:58:08 ON 18 AUG 2004
L2 854 L1
L3 19404 CHLOROFORMATE
L4 141 L2 AND L3

FILE 'CAPLUS' ENTERED AT 12:00:06 ON 18 AUG 2004

FILE 'REGISTRY' ENTERED AT 12:00:13 ON 18 AUG 2004

L5 STRUCTURE UPLOADED

L6 2680 SEARCH L5 SSS FUL

FILE 'CAPLUS' ENTERED AT 12:00:46 ON 18 AUG 2004

L7 1571 L6/PREP

=> 12 and 17

L8 38 L2 AND L7

=> amine

247110 AMINE

235258 AMINES

L9 379582 AMINE

(AMINE OR AMINES)

=> 19 and 18

L10 5 L9 AND L8

=> d 110 1-5 ti fbib abs

L10 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN

TI Preparation of 5-membered heterocycle derivatives for treating neurodegenerative disorders or pain

AN 2004:550745 CAPLUS

DN 141:106475

TI Preparation of 5-membered heterocycle derivatives for treating neurodegenerative disorders or pain

IN Chabrier De Lassauniere, Pierre-Etienne; Harnett, Jeremiah; Bigg, Dennis; Liberatore, Anne-Marie; Pommier, Jacques; Lannoy, Jacques; Thurieau, Christophe

PA USA

SO U.S. Pat. Appl. Publ., 150 pp., Cont.-in-part of U.S. Ser. No. 89,993. CODEN: USXXCO

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004132788	A1	20040708	US 2003-681002	20031008
				FR 1999-12643	A 19991011
				FR 2000-10151	A 20000801
				FR 2000-11169	A 20000901
				WO 2000-FR2805	W 20001010
				JP 1989-4943	A 20010410
				JP 1990-1811	A 20020214
				US 2002-89993	A2 20020404
	FR 2799461	A1	20010413	FR 1999-12643	19991011
	FR 2799461	B1	20020104		
	FR 2812546	A1	20020208	FR 2000-10151	20000801
	WO 2001026656	A2	20010419	WO 2000-FR2805	20001010
	WO 2001026656	A3	20020418		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG		FR 1999-12643	A 19991011
				FR 2000-10151	A 20000801

EP 1228760	A2	20020807	FR 2000-11169	A 20000901
EP 1228760	A3	20040128	EP 2002-76763	20001010
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL			FR 1999-12643	A 19991011
			FR 2000-10151	A 20000801
			FR 2000-11169	A 20000901
			EP 2000-967988	A3 20001010

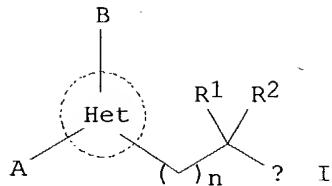
PATENT FAMILY INFORMATION:

FAN 2001:283789

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001026656	A2	20010419	WO 2000-FR2805	20001010
WO 2001026656	A3	20020418		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
FR 2799461	A1	20010413	FR 1999-12643	A 19991011
FR 2799461	B1	20020104	FR 2000-10151	A 20000801
FR 2812546	A1	20020208	FR 2000-11169	A 20000901
BR 2000014649	A	20020618	FR 1999-12643	A 19991011
			FR 2000-10151	A 20000801
			FR 2000-11169	A 20000901
			WO 2000-FR2805	W 20001010
EP 1223933	A2	20020724	EP 2000-967988	20001010
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
			FR 1999-12643	A 19991011
			FR 2000-10151	A 20000801
			FR 2000-11169	A 20000901
			EP 2002-76763	A3 20001010
			WO 2000-FR2805	W 20001010
EP 1228760	A2	20020807	EP 2002-76763	20001010
EP 1228760	A3	20040128		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
			FR 1999-12643	A 19991011
			FR 2000-10151	A 20000801
			FR 2000-11169	A 20000901
			EP 2000-967988	A3 20001010
JP 2003511416	T2	20030325	JP 2001-529718	20001010
			FR 1999-12643	A 19991011
			FR 2000-10151	A 20000801
			FR 2000-11169	A 20000901
			WO 2000-FR2805	W 20001010
NO 2002001689	A	20020530	NO 2002-1689	20020410
			FR 1999-12643	A 19991011
			FR 2000-10151	A 20000801
			FR 2000-11169	A 20000901
			WO 2000-FR2805	W 20001010
US 2004132788	A1	20040708	US 2003-681002	20031008
			FR 1999-12643	A 19991011

FR 2000-10151	A 20000801
FR 2000-11169	A 20000901
WO 2000-FR2805	W 20001010
JP 1989-4943	A 20010410
JP 1990-1811	A 20020214
US 2002-89993	A2 20020404

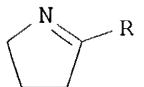
GI



AB The invention relates to thiazole, oxazole, imidazole, isoxazole and isoxazoline derivs. of general formula (I) [wherein Het = thiazole, oxazole, imidazole, isoxazole or isoxazoline; n = an integer from 0 to 6; A = optionally substituted aromatic radical; B = H, alkyl, Ph; R1, R2 = H, alkyl, cycloalkyl; Ω = NR46R47 or OR48; R46, R47 = H, alkyl, cycloalkyl, $(CH_2)_k-CO_2R51$; R51 = alkyl, haloalkyl; R48 = H, alkyl]. These compds. have advantageous pharmacol. properties which allow their use in a medicament intended to inhibit monoamine oxidases (MAO) and/or lipidic peroxidn. and/or to act as modulators of the sodium channels and notably their use in therapeutics for treating (1) central or peripheral nervous system, (2) neurodegenerative disorders selected from Parkinson's disease, Alzheimer's disease, Huntington's chorea and amyotrophic lateral sclerosis or (3) pain selected from the group consisting of postoperative pain, migraine, neuropathic pain, central pain, chronic inflammatory pain and pain linked to a cancer. Thus, 2-[[[(1,1-dimethylethoxy)carbonyl]methyl]amino]ethanethioamide (4.3 g, 2.11 mmol) and 2-bromo-1-(3,5-di-tert-butyl-4-hydroxyphenyl)ethanone (6.9 g, 2.11 mmol) were dissolved in 75 mL benzene under argon atmospheric and stirred at ambient temperature for 12 h to give, after

workup and silica gel chromatog., 4-[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]-N-[(1,1-dimethylethoxy)carbonyl]-N-methyl-2-thiazolemethanamine which was treated with CF3CO2H and triethylsilane in 50 mL CH2Cl2 to give, after workup, 4-[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]-N-methyl-2-thiazolemethanamine (II). II showed IC50 of lower than 10 μ M for inhibiting lipid peroxidn. of the cerebral cortex of rats.

L10 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN
 TI Improved synthesis of (dialkylamino)pyrrolines
 AN 2003:550006 CAPLUS
 DN 139:364788
 TI Improved synthesis of (dialkylamino)pyrrolines
 AU Flosser, David A.; Olofson, Roy A.
 CS Department of Chemistry, The Pennsylvania State University, University Park, PA, USA
 SO Synthetic Communications (2003), 33(12), 2045-2052
 CODEN: SYNCV; ISSN: 0039-7911
 PB Marcel Dekker, Inc.
 DT Journal
 LA English
 OS CASREACT 139:364788
 GI



I

AB The title compds. (I; R = NBu₂, piperidino, NEt₂) were prepared in 80-94% yield by reaction of I (R = OMe) with **amines** and their hydrochlorides. In initial assays, the pyrrolinium salts obtained on alkylation of I (R = NBu₂) are excellent "naked halide" catalysts.

RE.CNT 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN

TI Novel chiral surfactant for the separation of enantiomers by micellar electrokinetic capillary chromatography

AN 1995:116456 CAPLUS

DN 122:71192

TI Novel chiral surfactant for the separation of enantiomers by micellar electrokinetic capillary chromatography

AU Mazzeo, Jeffrey R.; Grover, Edward R.; Swartz, Michael E.; Petersen, John S.

CS Waters Chromatography, 34 Maple Street, Milford, MA, 01757, USA

SO Journal of Chromatography, A (1994), 680(1), 125-35

CODEN: JCRAEY; ISSN: 0021-9673

DT Journal

LA English

AB A novel chiral surfactant was prepared as both enantiomeric forms, (R)- and (S)-N-dodecoxycarbonylvaline, and employed for the separation of enantiomeric mixts. by micellar electrokinetic capillary chromatog. (MECC). The enantioselectivities (α) obtained for twelve typical pharmaceutical **amines** using the (S)-surfactant were compared to those obtained with (S)-N-dodecanoylvaline, a chiral surfactant described in the literature. Higher enantioselectivities were seen for ten of the twelve compds. using (S)-N-dodecoxycarbonylvaline. Furthermore, (S)-N-dodecoxycarbonylvaline had significantly less background absorbance in the low UV. It is shown that exact enantiomer migration order reversal can be obtained by individually employing both enantiomeric forms of the surfactant. For ionizable compds. like the **amines** examined here, enantioselectivity can be optimized by changing the pH of the MECC buffer. Partitioning is optimized through surfactant concentration, organic additives.

and

pH. The ability to achieve fast chiral sepn. is shown. A separation of ephedrine enantiomers in urine is shown, with the only sample preparation being filtration.

L10 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN

TI Triphosgene: a crystalline phosgene equivalent

AN 1987:575482 CAPLUS

DN 107:175482

TI Triphosgene: a crystalline phosgene equivalent

AU Eckert, Heiner; Forster, Barbara

CS Org. Chem. Inst. Tech. Univ. Muenchen, Garching, D-8046, Fed. Rep. Ger.

SO Angewandte Chemie (1987), 99(9), 922-3

CODEN: ANCEAD; ISSN: 0044-8249

DT Journal

LA German

OS CASREACT 107:175482

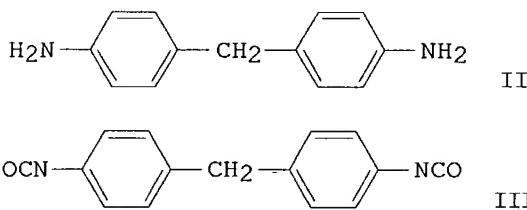
AB (C₁₃CO)₂CO (I) was used for chloroformylation, carbonylation, chlorination, and dehydration. Thus, when treated with I, C₁₃CCMe₂OH gave 91% C₁₃CCMe₂O₂CCl, o-MeC₆H₄NH₂ gave 82% o-MeC₆H₄NCO, PhCH₂CO₂H gave 11%

PhCH₂COCl, and RCH₂CH₂NHCHO (R = morpholino) gave 74% RCH₂CH₂NC.

L10 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN
TI Bis(trichloromethyl) carbonate as an alternative reagent for phosgene
AN 1987:4294 CAPLUS
DN 106:4294
TI Bis(trichloromethyl) carbonate as an alternative reagent for phosgene
IN Eckert, Heiner
PA Fed. Rep. Ger.
SO Ger. Offen., 17 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 3440141	A1	19860507	DE 1984-3440141	19841102
				DE 1984-3440141	19841102

OS CASREACT 106:4294
GI



AB (C₁₃CO)₂CO (I), prepared by chlorination of (MeO)₂CO, is used as an alternative to COCl₂ in, e.g., the preparation of isocyanates, diisocyanates, chloroformates, and polycarbonates, etc., which find use as intermediates for plastics, pharmaceuticals, herbicides, and insecticides, etc. Thus, 5.95 g diamine II and 5.94 g I in o-Cl₂C₆H₄ were heated at 170° for 3 h to give 84% diisocyanate III.

=> 99999file reg
0 99999FILE
1060 REG
50 REGS
1105 REG
(REG OR REGS)
L11 0 99999FILE REG
(99999FILE(W)REG)

=> d 11
YOU HAVE REQUESTED DATA FROM FILE 'REGISTRY' - CONTINUE? (Y)/N:n

=> file reg
COST IN U.S. DOLLARS SINCE FILE TOTAL
FULL ESTIMATED COST ENTRY SESSION
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE TOTAL
CA SUBSCRIBER PRICE ENTRY SESSION
-3.68 -3.68

FILE 'REGISTRY' ENTERED AT 12:08:19 ON 18 AUG 2004

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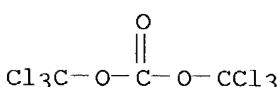
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to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> d 11

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN
RN 32315-10-9 REGISTRY
CN Methanol, trichloro-, carbonate (2:1) (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Carbonic acid, bis(trichloromethyl) ester (6CI, 8CI)
OTHER NAMES:
CN Bis(trichloromethyl) carbonate
CN **Triphosgene**
FS 3D CONCORD
MF C3 C16 O3
CI COM
LC STN Files: BEILSTEIN*, BIOBUSINESS, BIOSIS, CA, CAOLD, CAPLUS, CASREACT,
CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, GMELIN*,
HODOC*, MEDLINE, MSDS-OHS, PROMT, SYNTHLINE, TOXCENTER, USPAT2,
USPATFULL
(*File contains numerically searchable property data)
Other Sources: EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)
DT.CA CApplus document type: Conference; Journal; Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PROC
(Process); RACT (Reactant or reagent); USES (Uses)
RLD.P Roles for non-specific derivatives from patents: PREP (Preparation);
PROC (Process); RACT (Reactant or reagent); USES (Uses)
RL.NP Roles from non-patents: ANST (Analytical study); FORM (Formation,
nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP
(Preparation); PROC (Process); PRP (Properties); RACT (Reactant or
reagent); USES (Uses)
RLD.NP Roles for non-specific derivatives from non-patents: PREP
(Preparation); PRP (Properties); RACT (Reactant or reagent)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

848 REFERENCES IN FILE CA (1907 TO DATE)
10 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
854 REFERENCES IN FILE CAPLUS (1907 TO DATE)
3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	3.03	200.87
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-3.68

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 12:10:13 ON 18 AUG 2004

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
SESSION RESUMED IN FILE 'REGISTRY' AT 12:32:04 ON 18 AUG 2004
FILE 'REGISTRY' ENTERED AT 12:32:04 ON 18 AUG 2004
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	3.03	200.87
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-3.68

=> d his

(FILE 'HOME' ENTERED AT 11:57:09 ON 18 AUG 2004)

FILE 'REGISTRY' ENTERED AT 11:57:45 ON 18 AUG 2004
E TRIPHOSGENE/CN

L1 1 E3

FILE 'CAPLUS' ENTERED AT 11:58:08 ON 18 AUG 2004
L2 854 L1
L3 19404 CHLOROFORMATE
L4 141 L2 AND L3

FILE 'CAPLUS' ENTERED AT 12:00:06 ON 18 AUG 2004

FILE 'REGISTRY' ENTERED AT 12:00:13 ON 18 AUG 2004
L5 STRUCTURE UPLOADED
L6 2680 SEARCH L5 SSS FUL

FILE 'CAPLUS' ENTERED AT 12:00:46 ON 18 AUG 2004

L7 1571 L6/PREP
L8 38 L2 AND L7
L9 379582 AMINE
L10 5 L9 AND L8
L11 0 99999FILE REG

FILE 'REGISTRY' ENTERED AT 12:08:19 ON 18 AUG 2004

=> dimethylformamide
L12 6859 DIMETHYLFORMAMIDE

=> 18 and 112

'PREP' IS NOT A VALID CROSSOVER QUALIFIER FOR L1

Answer sets created in a different file may be field qualified with a limited set of qualifiers. Enter HELP CROSSOVER at an arrow prompt (=>) for specific information.

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	8.72	206.56

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-3.68

FILE 'CAPLUS' ENTERED AT 12:33:56 ON 18 AUG 2004

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FILE COVERS 1907 - 18 Aug 2004 VOL 141 ISS 8
FILE LAST UPDATED: 17 Aug 2004 (20040817/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> 18 and 112
34275 L12
L13 0 L8 AND L12

=> file reg
COST IN U.S. DOLLARS

FULL ESTIMATED COST	SINCE FILE ENTRY	TOTAL SESSION
0.46	207.02	

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-3.68

FILE 'REGISTRY' ENTERED AT 12:34:29 ON 18 AUG 2004

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STRUCTURE FILE UPDATES: 17 AUG 2004 HIGHEST RN 727974-89-2
DICTIONARY FILE UPDATES: 17 AUG 2004 HIGHEST RN 727974-89-2

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when
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Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> e dimethylformamide/cn
E1 1 DIMETHYLFLUOROSILYL(TRICHLOROGERMYL)METHANE/CN
E2 1 DIMETHYLFORMALDEHYDE/CN
E3 1 --> DIMETHYLFORMAMIDE/CN
E4 1 DIMETHYLFORMAMIDE 2,4-DINITROPHENYLHYDRAZONE/CN
E5 1 DIMETHYLFORMAMIDE AZINE/CN
E6 1 DIMETHYLFORMAMIDE COMPLEX WITH MOL. IODINE (1:1)/CN
E7 1 DIMETHYLFORMAMIDE COMPOUND WITH CARBON TETRACHLORIDE (1:1)/C
N
E8 1 DIMETHYLFORMAMIDE COMPOUND WITH SULFUR TRIOXIDE (1:1)/CN
E9 1 DIMETHYLFORMAMIDE COMPOUND WITH WATER (1:1)/CN
E10 1 DIMETHYLFORMAMIDE COMPOUND WITH WATER (2:1)/CN
E11 1 DIMETHYLFORMAMIDE CYCLIC ETHYLENE ACETAL/CN
E12 1 DIMETHYLFORMAMIDE DEMETHYLASE/CN

=> e3
L14 1 DIMETHYLFORMAMIDE/CN

=> file caplus
COST IN U.S. DOLLARS SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 4.85 211.87

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE TOTAL
ENTRY SESSION
CA SUBSCRIBER PRICE 0.00 -3.68

FILE 'CAPLUS' ENTERED AT 12:34:56 ON 18 AUG 2004
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FILE COVERS 1907 - 18 Aug 2004 VOL 141 ISS 8
FILE LAST UPDATED: 17 Aug 2004 (20040817/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> 114
L15 26787 L14

=> d his

(FILE 'HOME' ENTERED AT 11:57:09 ON 18 AUG 2004)

FILE 'REGISTRY' ENTERED AT 11:57:45 ON 18 AUG 2004
E TRIPHOSGENE/CN

L1 1 E3

FILE 'CAPLUS' ENTERED AT 11:58:08 ON 18 AUG 2004

L2 854 L1

L3 19404 CHLOROFORMATE

L4 141 L2 AND L3

FILE 'CAPLUS' ENTERED AT 12:00:06 ON 18 AUG 2004

FILE 'REGISTRY' ENTERED AT 12:00:13 ON 18 AUG 2004

L5 STRUCTURE UPLOADED

L6 2680 SEARCH L5 SSS FUL

FILE 'CAPLUS' ENTERED AT 12:00:46 ON 18 AUG 2004

L7 1571 L6/PREP

L8 38 L2 AND L7

L9 379582 AMINE

L10 5 L9 AND L8

L11 0 99999FILE REG

FILE 'REGISTRY' ENTERED AT 12:08:19 ON 18 AUG 2004

L12 6859 DIMETHYLFORMAMIDE

FILE 'CAPLUS' ENTERED AT 12:33:56 ON 18 AUG 2004

L13 0 L8 AND L12

FILE 'REGISTRY' ENTERED AT 12:34:29 ON 18 AUG 2004

E DIMETHYLFORMAMIDE/CN

L14 1 E3

FILE 'CAPLUS' ENTERED AT 12:34:56 ON 18 AUG 2004

L15 26787 L14

=> 114 and 18

26787 L14

L16 0 L14 AND L8

=> save temp 18 chlfmtprep/cn

CHLFMTPREP/CN IS NOT A VALID SAVED NAME

Enter the name you wish to use for the saved query, answer set, or L-number list. The name must:

1. Begin with a letter,
2. Have 1-12 characters,
3. Contain only letters (A-Z) and numbers (0-9),
4. End with /Q for a query (search profile),

structure, or screen set), /A for an answer set, or /L for an L-number list.
5. Not already be in use as a saved name,
6. Not be END, SAV, SAVE, SAVED
7. Not have the form of an L-number (Lnnn).
ENTER NAME OR (END):end

=> save temp 18 chlfmtprep/a
ANSWER SET L8 HAS BEEN SAVED AS 'CHLFMTPREP/A'

=> save temp 17 chlrfmtes/a
ANSWER SET L7 HAS BEEN SAVED AS 'CHLRFMTES/A'

=> save temp all chlfmtsrch/l
L# LIST L1-L16 HAS BEEN SAVED AS 'CHLFMTSRCH/L'

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	2.30	214.17
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-3.68

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 12:38:10 ON 18 AUG 2004

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 12:53:03 ON 18 AUG 2004
FILE 'CAPLUS' ENTERED AT 12:53:03 ON 18 AUG 2004
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	2.30	214.17
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-3.68

=> d his

(FILE 'HOME' ENTERED AT 11:57:09 ON 18 AUG 2004)

FILE 'REGISTRY' ENTERED AT 11:57:45 ON 18 AUG 2004
E TRIPHOSGENE/CN

L1 1 E3

FILE 'CAPLUS' ENTERED AT 11:58:08 ON 18 AUG 2004
L2 854 L1
L3 19404 CHLOROFORMATE
L4 141 L2 AND L3

FILE 'CAPLUS' ENTERED AT 12:00:06 ON 18 AUG 2004

FILE 'REGISTRY' ENTERED AT 12:00:13 ON 18 AUG 2004

L5 STRUCTURE UPLOADED
L6 2680 SEARCH L5 SSS FUL

FILE 'CAPLUS' ENTERED AT 12:00:46 ON 18 AUG 2004

L7 1571 L6/PREP
L8 38 L2 AND L7
L9 379582 AMINE
L10 5 L9 AND L8
L11 0 99999FILE REG

FILE 'REGISTRY' ENTERED AT 12:08:19 ON 18 AUG 2004

L12 6859 DIMETHYLFORMAMIDE

FILE 'CAPLUS' ENTERED AT 12:33:56 ON 18 AUG 2004

L13 0 L8 AND L12

FILE 'REGISTRY' ENTERED AT 12:34:29 ON 18 AUG 2004

 E DIMETHYLFORMAMIDE/CN
L14 1 E3

FILE 'CAPLUS' ENTERED AT 12:34:56 ON 18 AUG 2004

L15 26787 L14
L16 0 L14 AND L8
 SAVE TEMP L8 CHLFMTPREP/A
 SAVE TEMP L7 CHLRFMTEA/A
 SAVE TEMP ALL CHLFMTSRCH/L

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	2.75	214.62
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-3.68

FILE 'REGISTRY' ENTERED AT 12:53:21 ON 18 AUG 2004

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STRUCTURE FILE UPDATES: 17 AUG 2004 HIGHEST RN 727974-89-2

DICTIONARY FILE UPDATES: 17 AUG 2004 HIGHEST RN 727974-89-2

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

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Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:

<http://www.cas.org/ONLINE/DBSS/registryss.html>

```
=> e triethylamine/cn
E1      1      TRIETHYLALUMINUM-TRIETHYLAMINE COMPLEX/CN
E2      1      TRIETHYLALUMINUM-WATER COPOLYMER/CN
E3      1  --> TRIETHYLAMINE/CN
E4      1      TRIETHYLAMINE (2,6-DICHLOROBENZYL) DITHIOCARBAMATE/CN
E5      1      TRIETHYLAMINE 1:1 COMPLEX WITH DICHLOROETHYLGEMANE/CN
E6      1      TRIETHYLAMINE 1:1 COMPLEX WITH DICHLOROMETHYLGEMANE/CN
E7      1      TRIETHYLAMINE 1:1 COMPLEX WITH DICHLOROPHENYLGEMANE/CN
E8      1      TRIETHYLAMINE 2,4,6-TRINITROPHENOLATE/CN
E9      1      TRIETHYLAMINE 2,4-DINITRONAPHTHOLATE/CN
E10     1      TRIETHYLAMINE 2,4-DINITROPHENOLATE/CN
E11     1      TRIETHYLAMINE 2,6-DICHLOROBENZOATE/CN
E12     1      TRIETHYLAMINE 3,5-DINITROBENZOATE/CN
```

```
=> e3
L17      1 TRIETHYLAMINE/CN
```

```
=> file caplus
COST IN U.S. DOLLARS          SINCE FILE      TOTAL
                                ENTRY          SESSION
FULL ESTIMATED COST          4.85          219.47
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE      TOTAL
                                                ENTRY          SESSION
CA SUBSCRIBER PRICE          0.00          -3.68
```

```
FILE 'CAPLUS' ENTERED AT 12:53:57 ON 18 AUG 2004
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```

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FILE COVERS 1907 - 18 Aug 2004 VOL 141 ISS 8
FILE LAST UPDATED: 17 Aug 2004 (20040817/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

```
=> l17
L18      20615 L17
```

```
=> 18 and 118
L19      1 L8 AND L18
```

```
=> d 1129 ti fbib abs
L129 NOT FOUND
The L-number entered has not been defined in this session, or it has been deleted. To see the L-numbers currently defined in this session, enter DISPLAY HISTORY at an arrow prompt (=>).
```

```
=> d 19 ti fbib abs
```

L9 ANSWER 1 OF 379582 CAPLUS COPYRIGHT 2004 ACS on STN
TI **Amine** organoborane complex initiated polymerizable compositions
containing siloxane polymerizable components
AN 2004:669773 CAPLUS
TI **Amine** organoborane complex initiated polymerizable compositions
containing siloxane polymerizable components
IN Sonnenschein, Mark F.; Webb, Steven P.; Wendt, Benjamin L.; Harrington,
Daniel R.
PA Dow Global Technologies Inc., USA
SO U.S., 20 pp.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6777512	B1	20040817	US 2003-377440 US 2003-377440	20030228 20030228

AB In one embodiment the invention is a polymerizable composition comprising a) an organoborane **amine** complex; b) one or more of monomers, oligomers or polymers having olefinic unsatn. which is capable of polymerization by free radical polymerization; c) one or more compds., oligomers or prepolymers having a siloxane backbone and reactive moieties capable of polymerization; and d) a catalyst for the polymerization of the one or more compds., oligomers or prepolymers having a siloxane backbone and reactive moieties capable of polymerization. This composition may further comprise a compound which causes the organoborane **amine** complex to disassoc. In a preferred embodiment, the two part composition further comprises a compound which is reactive with both the b) one or more of monomers, oligomers or polymers having olefinic unsatn. which is capable of polymerization by free radical polymerization; and the c) one or more compds., oligomers or prepolymers having a siloxane backbone and reactive moieties capable of polymerization. This composition can be polymerized by contacting the two parts of the composition. In another embodiment the invention is an organoborane **amine** complex comprising an alkyl borane having ligands which are alkyl, cycloalkyl or both and an amino siloxane.

=> logoff hold
COST IN U.S. DOLLARS

SINCE FILE ENTRY	TOTAL SESSION
3.60	223.07

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.74	-4.42

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 12:55:06 ON 18 AUG 2004

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 13:17:43 ON 18 AUG 2004
FILE 'CAPLUS' ENTERED AT 13:17:43 ON 18 AUG 2004
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	3.60	223.07
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.74	-4.42
=> logoff hold		
COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	3.60	223.07
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.74	-4.42

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 13:17:50 ON 18 AUG 2004

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * Welcome to STN International * * * * * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 May 12 EXTEND option available in structure searching
NEWS 4 May 12 Polymer links for the POLYLINK command completed in REGISTRY
NEWS 5 May 27 New UPM (Update Code Maximum) field for more efficient patent
SDIs in Cplus
NEWS 6 May 27 Cplus super roles and document types searchable in REGISTRY
NEWS 7 Jun 28 Additional enzyme-catalyzed reactions added to CASREACT
NEWS 8 Jun 28 ANTE, AQUALINE, BIOENG, CIVILENG, ENVIROENG, MECHENG,
and WATER from CSA now available on STN(R)
NEWS 9 Jul 12 BEILSTEIN enhanced with new display and select options,
resulting in a closer connection to BABS
NEWS 10 Jul 30 BEILSTEIN on STN workshop to be held August 24 in conjunction
with the 228th ACS National Meeting
NEWS 11 AUG 02 IFIPAT/IFIUDB/IFICDB reloaded with new search and display
fields
NEWS 12 AUG 02 Cplus and CA patent records enhanced with European and Japan
Patent Office Classifications
NEWS 13 AUG 02 STN User Update to be held August 22 in conjunction with the
228th ACS National Meeting
NEWS 14 AUG 02 The Analysis Edition of STN Express with Discover!

(Version 7.01 for Windows) now available

NEWS 15 AUG 04 Pricing for the Save Answers for SciFinder Wizard within STN Express with Discover! will change September 1, 2004

NEWS 16 AUG 27 BIOCOPMERCE: Changes and enhancements to content coverage

NEWS 17 AUG 27 BIOTECHABS/BIOTECHDS: Two new display fields added for legal status data from INPADOC

NEWS EXPRESS JULY 30 CURRENT WINDOWS VERSION IS V7.01, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004

NEWS HOURS STN Operating Hours Plus Help Desk Availability

NEWS INTER General Internet Information

NEWS LOGIN Welcome Banner and News Items

NEWS PHONE Direct Dial and Telecommunication Network Access to STN

NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'REGISTRY' ENTERED AT 07:39:48 ON 31 AUG 2004
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STRUCTURE FILE UPDATES: 29 AUG 2004 HIGHEST RN 735258-95-4
DICTIONARY FILE UPDATES: 29 AUG 2004 HIGHEST RN 735258-95-4

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

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Crossover limits have been increased. See HELP CROSSOVER for details

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

```
=> e triphosgene/cn
E1          1      TRIPHOS (FEED SUPPLEMENT) /CN
E2          1      TRIPHOS-I/CN
E3          1 --> TRIPHOSGENE/CN
E4          1      TRIPHOSGENE-PHENYLPHOSPHONIC DICHLORIDE-1,1-BIS (4-HYDROXYPHE
                  NYL) CYCLOHEXANE COPOLYMER/CN
```

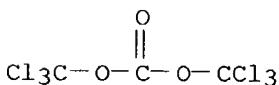
E5 1 TRIPHOSPHABORETANE/CN
E6 1 TRIPHOSPHADEN/CN
E7 1 TRIPHOSPHAGERMETANE/CN
E8 1 TRIPHOSPHAGERMETANE, 1,2,3-TRIS(1,1-DIMETHYLETHYL)-4,4-DIETHYL-/CN
E9 1 TRIPHOSPHAGERMETANE, 1,2,3-TRIS(1,1-DIMETHYLETHYL)-4,4-DIPHENYL-/CN
E10 1 TRIPHOSPHAGERMETANE, 1,2,3-TRIS(1,1-DIMETHYLETHYL)-4,4-DIPHENYL-, (1A,2B,3A)-/CN
E11 1 TRIPHOSPHAGERMETANE, 4,4-DICHLORO-1,2,3-TRIS(1,1-DIMETHYLETHYL)-/CN
E12 1 TRIPHOSPHAMIDE/CN

=> e3

L1 1 TRIPHOSGENE/CN

=> d 11

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN
RN 32315-10-9 REGISTRY
CN Methanol, trichloro-, carbonate (2:1) (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Carbonic acid, bis(trichloromethyl) ester (6CI, 8CI)
OTHER NAMES:
CN Bis(trichloromethyl) carbonate
CN **Triphosgene**
FS 3D CONCORD
MF C3 Cl6 O3
CI COM
LC STN Files: BEILSTEIN*, BIOBUSINESS, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, GMELIN*, HODOC*, MEDLINE, MSDS-OHS, PROMT, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)
DT.CA CPlus document type: Conference; Journal; Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PROC (Process); RACT (Reactant or reagent); USES (Uses)
RLD.P Roles for non-specific derivatives from patents: PREP (Preparation); PROC (Process); RACT (Reactant or reagent); USES (Uses)
RL.NP Roles from non-patents: ANST (Analytical study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)
RLD.NP Roles for non-specific derivatives from non-patents: PREP (Preparation); PRP (Properties); RACT (Reactant or reagent)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

856 REFERENCES IN FILE CA (1907 TO DATE)
10 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
858 REFERENCES IN FILE CAPLUS (1907 TO DATE)
3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)